

PATENT ABSTRACTS OF JAPAN

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(54) LIVING BODY IDENTIFYING DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To realize reliable individual identification which can not be applied by others by picking up the image of the blood vessel of a living body or the living body external shape of a part where its blood vessel runs so as to use each image for identifying an individual.

SOLUTION: At the time of picking up the image, an optional part (hand) of a person to be identified 2 is fixed to a living body fixing part 1 and irradiation light is intermittently originated from a light source 3 (a halogen lamp, etc.) to pick up a transmission light image at each irradiation by an image pickup device 4 (CCD camera, etc.). Next, arithmetic means 9 obtains the binary image of an external shape at the vessel running part from an optional one digital gradation image and the binary image of the running of the vessel from a differential

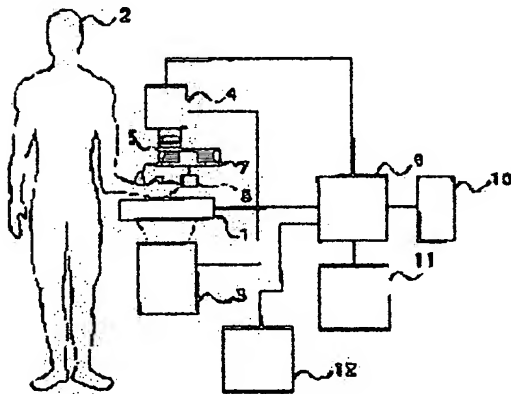


image. The feature image of the person to identify is composed from these external shape image and the vessel running image to pattern-match with the feature image of the person to be identified which is already registered as a data base in a storing device 11 to identify. Information (a name, a password, a magnetic storage card, etc.) of the person to be identified is inputted to the input device 12.